

SOLID WASTE FACILITY PERMIT

Facility Number:

49-AA-0001**1. Name and Street Address of Facility:**Central Disposal Site
500 Mecham Road
Petaluma, CA 94952**2. Name and Mailing Address of Operator:**County of Sonoma Department of
Transportation and Public Works
2300 County Center Drive, Suite B-100
Santa Rosa, CA 95403**3. Name and Mailing Address of Owner:**County of Sonoma Department of
Transportation and Public Works
2300 County Center Drive, Suite B-100
Santa Rosa, CA 95403**4. Specifications:**

- a. Permitted Operations:** Solid Waste Disposal Site Transformation Facility
 Transfer/Processing Facility (MRF) Other: _____
 Composting Facility

- b. Permitted Hours of Operation:** (Receipt of Refuse/Waste) 7:00am-3:00pm, Monday-Saturday;
(Ancillary Operations/Facility Operating Hours) 6:00am – 6:30pm 7 days/week; Closed on
New Year's Day, Easter Sunday, Labor Day, Independence Day, Thanksgiving Day and
Christmas Day

- c. Permitted Maximum Tonnage:** 2,500 Tons/Day (Disposal may occur only when there is no outbound transfer of waste)

- d. Permitted Traffic Volume:** 900 Vehicles/Day

e. Key Design Parameters (Detailed parameters are shown on site plans bearing EA and CalRecycle validations):

	Total	Disposal
Permitted Area (in acres)	398.5	172.8
Design Capacity (cu. yds)		
Max. Elevation (Ft. MSL)		565
Max. Depth (Ft. MSL)		212
Estimated Closure Year		2034

Upon a significant change in design or operation from that described herein, this permit is subject to revocation or suspension. The attached permit findings and conditions are integral parts of this permit and supersede the conditions of any previously issued solid waste facility permit.

5. Approval:

Approving Officer Signature

6. Enforcement Agency Name/Address:County of Sonoma
Department of Health Services
625 5th Street
Santa Rosa, CA 95404**7. Date Received by CalRecycle:****DEC 13 2011****8. CalRecycle Concurrence Date:****JAN 17 2012****9. Permit Issued Date:****10. Permit Review Due Date:****11. Owner/Operator Transfer Date:**

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12. Legal Description of Facility:

The legal description of this facility is contained in Appendix "3A" of the Joint Technical Document, dated March 30, 2011 and subsequent revisions dated August 12, 2011 & October 7, 2011.

13. Findings:

- a. This permit is consistent with the Sonoma County Integrated Waste Management Plan, which was approved by the California Integrated Waste Management Board in 1996 and updated by the Sonoma County Waste Management Agency and approved by the California Department of Resources Recycling & Recovery (CalRecycle) in 2011. The location of the facility is identified in the Siting Element, pursuant to Public Resources Code (PRC), Section 50001(a).
- b. This permit is consistent with the standards adopted by the CalRecycle, pursuant to PRC 44010.
- c. The design and operation of the facility is consistent with the State Minimum Standards for Solid Waste Handling and Disposal as determined by the enforcement agency, pursuant to PRC 44009.
- d. The Rancho Adobe Fire Department has determined that the facility is in conformance with applicable fire standards, pursuant to PRC 44151.
- e. An Environmental Impact Report (EIR) was prepared (Central Disposal Site Improvement Program), State Clearinghouse, SCH #1995073068, certified by the County of Sonoma Board of Supervisors, and a Notice of Determination (NOD) filed on December 8, 1998. The EIR describes and supports the design and operation of the Central Disposal Site, which will be authorized by the issuance of this permit. An EIR for the Central Disposal Site Rock Extraction Project was prepared, SCH# 1997022022, certified by the County of Sonoma Board of Supervisors, and a NOD filed on August 18, 1998. This EIR describes and supports the landfilling in the Rock Extraction Area of the Central Disposal Site. An Addendum to the Central Disposal Site Improvement Program EIR, which incorporates by reference the EIR for the Central Disposal Site Rock Extraction Project, was prepared in May 2011. This Addendum was prepared in accordance with CEQA Guidelines relative to the Central Disposal Site for full waste disposal, in areas that were evaluated in the two previous EIR's referenced above.

14. Prohibitions:

The permittee is prohibited from accepting the following wastes:

Hazardous, radioactive, medical (as defined in Chapter 6.1, Division 20 of the Health and Safety Code), liquid, designated, or other wastes requiring special treatment or handling, except as identified in the Joint Technical Document and approved amendments thereto and as approved by the enforcement agency and other federal, state, and local agencies.

15. The following documents describe and/or restrict the operation of this facility:

	Date		Date
Joint Technical Document & Amendments	3/30/11	Partial Final Closure and Post-closure Maintenance Plan	3/31/11
Waste Discharge Requirements Order No. R1-2004-0040	6/23/04	Closure Financial Assurance Documentation	9/22/09
APCD Permit to Operate #2254	Renew Annually	Operating Liability Certification	Not Required
EIR (SCH #1995073068)	12/15/98	Land Use and/or Conditional Use Permit	Not Required
Notice of Determination (SCH#1995073068)	12/15/98		
EIR Addendum (SCH#1995073068)	5/2011		
EIR (SCH #1997022022)	8/18/98		
Notice of Determination (SCH#1997022022)	8/18/98		

16. Self Monitoring:

The owner/operator shall submit the results of all self monitoring programs to the Enforcement Agency within 30 days of the end of the reporting period. Results of all self-monitoring programs as described in the Joint Technical Document, shall be reported and sent to the LEA as follows:

Program	Reporting Frequency
a. The types and quantities (in tons) of waste, including separated or commingled recyclables, construction and demolition material entering the facility per day.	Quarterly
b. The number and types of vehicles using the facility per day.	Quarterly
c. Results of the hazardous waste load checking program, including the quantities and types of hazardous wastes, medical wastes or otherwise prohibited wastes found in the waste stream and the disposition of these materials.	Quarterly*
d. Copies of all written complaints regarding this facility and the operator's actions taken to resolve these complaints. The LEA shall be notified within one business day of any complaint received and the action taken to resolve the issue.	Quarterly*
e. Logs and reports of special occurrences, i.e. accidents, injuries, fires, explosions, hazardous waste incidents, public nuisance incidents, unscheduled shutdowns, etc. and the operators action in response to the event. The LEA shall be notified immediately of any special occurrence that interferes with the operation of the facility.	Quarterly*
f. Employee training logs with dates of training, and course descriptions. This log shall be maintained and kept current.	Daily*
g. Results of landfill gas monitoring program.	Quarterly
h. Wet weather preparedness report/winter operations plan.	Annual – Due by Nov. 1
i. Fill sequencing plan for the forthcoming year.	Annually
j. Remaining site capacity.	Annually
* Records to be maintained on site for review during LEA inspections	

Program	Reporting Frequency
17. Enforcement Agency (EA) Conditions:	
<ul style="list-style-type: none"> a. The operator shall comply with all State Minimum Standards for solid waste handling and disposal as specified in Title 27, California Code of Regulations. b. Nothing in this Solid Waste Facility Permit shall prevent the operator from complying with all requirements, codes, laws and regulations. Nothing in these conditions shall be construed as relieving the operator, or designee from required permits, licenses, approvals and/or other clearances and complying with all orders and law requirements of other regulatory agencies. c. The operator shall maintain a log of special/unusual occurrences. This log shall include, but is not limited to, fires, explosions, the discharge and disposition of hazardous or unpermitted wastes, and significant injuries, accidents or property damage. Each log entry shall be accompanied by a summary of any actions taken by the operator to mitigate the occurrence. The log shall be available to site personnel and the LEA at all times. d. Additional information concerning the design and operation of the facility shall be furnished upon request and within the time frame specified by the EA. e. The maximum permitted daily tonnage for this site as a landfill disposal site operation shall not exceed 2,500 tons per day. In the event that the Central Disposal Site operations are temporarily suspended, the maximum permitted daily tonnage for this site as a Transfer /Processing Facility is limited to 1,500 tons per day for a period not to exceed five years from the date of issuance of the permit. f. In the event that landfill and transfer/processing out-haul activities need to operate concurrently, the maximum site capacity will remain limited to 2,500 tpd with the transfer/processing activity limited to 1,500 tpd. Concurrent landfill and transfer/processing operations may only occur with prior LEA approval on a limited basis. Should concurrent operations be necessary on a long term basis, as determined by the LEA, the Operator will be required to revise the Solid Waste Facility Permits. g. This permit is subject to review by the LEA and may be suspended, revoked, or revised at any time for sufficient cause. h. The LEA reserves the right to suspend or modify waste receiving and handling operations when deemed necessary due to an emergency, a potential health hazard, or the creation of a public nuisance. i. Any change that would cause the design or operation of the facility not to conform to the terms and conditions of this permit is prohibited. Such a change may be considered a significant change, requiring a permit revision. In no case shall the operator implement any change without first submitting a written notice of the proposed change, in the form of an RFI amendment, to the LEA at least 180 days in advance of the change. j. A copy of this permit shall be maintained at the facility. k. Prior to rock excavation and construction of the landfill liner and leachate collection and removal system (LCRS), a Spill Prevention Plan shall be prepared. The plan will identify procedures for refueling equipment, performing equipment maintenance and repair, and storing construction materials that will minimize the potential for spills. The plan will require that any explosives spilled during the loading of the blasting holes can be designated and restricted to location where spills could be contained. The plan will include contingency measures to be used to contain and clean up spills and procedures for disposal of used or spilled materials. l. Blasting shall be limited to the hours of 4:30 p.m. to 5:30 p.m. Monday through Friday, excluding holidays, when the public is not present. A safety setback perimeter, consistent with OSHA and MSHA requirements shall be established around the blast site with cones. Prior to a blast, all access points to the blasting site shall be blocked by signs and sentries to assure a safe clear zone around the blast. The following warning systems, procedures and protection devices shall be established prior to blasting. <ul style="list-style-type: none"> 1. A system of audible signals to warn of an impending blast. 2. Signboards and flags indicating areas where blasting operations are occurring. These signs shall be clearly visible and legible from all parts of access to the area. The signs shall clearly describe the audible signal system for warning of impending blasts. Blast area signs shall clearly indicate the length and nature of audible blast warnings and all clear signals. All warning systems shall comply with the most stringent requirements of the agencies that regulate such systems. 3. Only the blaster-in-charge will give the signal that it is safe to blast after ensuring that all people, animals and equipment are in safe locations. 4. Explosives at the CDS must be directly supervised by a licensed blaster at all times. This requirement applies to all explosives that are already loaded in the ground and to explosives that are yet unloaded or left over after a blast is loaded. Any explosives spilled during the loading of the blasting holes shall be cleaned up prior to detonating the explosives. No 	

explosives will be stored at the Central Disposal Site.

5. The bore holes for blasting shall be limited to a maximum diameter of 4 inches and a depth which assures that a maximum bench height of 30 feet is not exceeded. All blasts will be designed so that the maximum weight of explosives per day will not exceed 200 pounds.
 6. Prior to placing explosives in the blast holes, methane detecting equipment will be used to determine whether methane gas is present at the collars of at least 15 blast holes that are nearest the areas of the landfill that contain buried refuse. If the monitors detect methane in concentrations exceeding 1.0%, the blasting contractor shall use only explosives especially formulated for safe use in gassy environments. All explosive charges shall be stemmed with at least 8 feet of clean crushed stone with a maximum dimension of 3/8 to 1/2 inch.
 7. Contractors working on the Central Disposal Site will be prohibited from blasting simultaneously at two or more locations. Blasting at more than one location may occur on the same day, but blasting will be coordinated so that blasts do not occur within 10 minutes of each other.
 8. Blasting will not be allowed closer than 25 feet from the nearest part of the existing Central Disposal Site landfill that contains buried refuse, any monitoring well, landfill gas or leachate collection pipes, landfill liner, or leachate storage pond. The maximum charge weight per delay shall meet a minimum scale distance of 10 at the nearest part of the existing landfill that contains buried refuse, any monitoring well, landfill gas or leachate collection pipe, landfill liner, or leachate storage pond and a minimum scale distance of 60 based on the distance to the nearest privately owned building. The calculation producing the lowest weight shall be used in all cases.
 9. In no case shall blasting noise (air blast), measured near residential building, exceed 130 dBL. Peak particle velocity of blast induced ground motion shall not exceed 0.5 inches per second near any private off-site structures. Ground motion at the nearest part of the existing landfill containing buried refuse, any monitoring well, landfill gas or leach collection pipe, liner, or leachate storage pond shall not exceed 7.5 inches per second.
 10. Blast reports shall be submitted to the County of Sonoma Department of Transportation and Public Works, Integrated Waste Division, within 24 hours after the time of blasting. Reports shall be kept on file and available for LEA review and shall include details about hole loads, maximum charge weight per delay, delay timing, blast time, weather conditions, explosive product names and quantities, and other pertinent information. A copy of the drill log will also be attached to the blast report.
- m. The Operator will conduct monthly inspections of the landfill cover to detect surface cracks. Should cracks (potential odor sources) be detected, they will be repaired immediately.
 - n. The Operator will prepare and implement a plan to reduce dust emissions from construction operation of the facilities at the Central Disposal Site. At a minimum, the plan will contain the following features:
 1. Construction areas will be watered as needed to control dust.
 2. Water or other dust suppressants will be used on unpaved haul roads.
 3. Watering will be performed more frequently when wind speeds exceed 15 mph.
 4. Dirt stockpiles will be watered or otherwise protected with dust suppressant.
 5. Vehicle speeds will be limited to 15 mph on unpaved haul roads.
 - o. Construction equipment or materials storage areas shall be located as far away as practicable from residences.
 - p. The Operator will maintain litter pick up along Mecham Road and Stony Point Road from West Railroad Avenue to Highway 116 so that these roadsides will be cleaned as needed. The Operator will maintain signs posted on Mecham Road for public reporting services. At least one sign for the northbound direction near Pepper Road and one for the southbound direction near Stony Point Road will remain posted at all times.
 - q. When operations are conducted during hours of darkness, the site and/or equipment shall be equipped with adequate lighting to ensure safety and to monitor the effectiveness of operations.
 - r. Site attendants shall be present at all times at the public and commercial unloading areas during operating hours. At a minimum, one site attendant shall be present at the tipping floor of the disposal site operation and one site attendant shall be present at the commercial unloading area, provided the operation will not result in traffic, personnel, or public safety hazards.
 - s. The maximum permitted traffic volume is 364 vehicles entering and leaving site during the morning peak hour (7:30 am to 8:30 am).
 - t. No more than 150 tons (600 cubic yards) of municipal solid waste may remain on the tipping floor of the Central Disposal Site

at the end of each operating day.

- u. The tipping floor of the disposal site shall be cleaned at the end of each operating day. All solid waste received on the tipping floor of the disposal site shall be removed from the facility within 24 hours of receipt, excluding holidays and Sundays or as approved by the LEA. In no instance shall waste remain on the tipping floor for more than 48 hours without prior LEA approval.
- v. At least two years before closing the Central Disposal Site, a Final Closure Plan shall be submitted to CalRecycle, NCRWQCB and the LEA.